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REC'D 08 SEP 2004

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Applicant's or agent's file reference 04 LG 16 E | FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below. | |
| International application No. PCT/EP2004/005559 | International filing date (day/month/year) 21/05/2004 | (Earliest) Priority Date (day/month/year) 22/07/2003 |
| Applicant POLICHEM SA | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐

With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.



Certain claims were found unsearchable (See Box II).

3.



Unity of invention is lacking (see Box III).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

PHARMACEUTICAL COMPOSITIONS COMPRISING ASCORBIC ACID FOR THE TREATMENT OF FUNGAL SUPERINFECTIONS AND FUNGAL RECURRENCES

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐

none of the figures is to be published with the abstract.

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)
The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))
 for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/..... (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications: EP.03077314.7. July.22, 2003.....

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

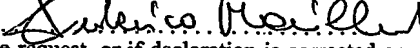
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: MAILLAND FEDERICO.....

Residence: MILANO ITALY.....
 (city and either US state, if applicable, or country)

Mailing Address: Via San Marco 24.....
 20121 MILANO ITALY.....

Citizenship: Italian.....

Inventor's Signature:  Date: May 11, 2004.....
 (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Name:

Residence:

Mailing Address:

Citizenship:

Inventor's Signature:

Date:

☐ This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP2004/005559

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K31/375 A61K31/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) & JP 2000 169370 A (FRONTIER:KK), 20 June 2000 (2000-06-20) abstract | 1-17 |
| X | PATENT ABSTRACTS OF JAPAN vol. 013, no. 372 (C-627), 17 August 1989 (1989-08-17) & JP 01 125306 A (DAIICHI SEIMO KK), 17 May 1989 (1989-05-17) abstract | 1-17 |
| | ----- -/-- ----- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

2 September 2004

Date of mailing of the international search report

10/09/2004

Name and mailing address of the ISA

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Authorized officer

Veronese, A

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/005559

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | EP 1 153 605 A (ROSS MICHAEL A) 14 November 2001 (2001-11-14) page 1, column 2, lines 8,19-23,39-41 page 3, column 3, lines 12-15 claim 1 | 1-17 |
| X | US 4 229 430 A (FAHIM MOSTAFA S ET AL) 21 October 1980 (1980-10-21) column 2, lines 54-59 column 3, lines 33-36 column 4, lines 4-9,56 column 7, lines 15,30 column 9, line 22 examples 1,7,13 claims 1,2 | 1-17 |
| X | US 5 631 001 A (HARICH JAKOB ET AL) 20 May 1997 (1997-05-20) column 1, lines 14-16 column 2, lines 46,47 column 4, lines 35-37,54-56 | 1-17 |
| X | DE 299 00 513 U (RST ICKING GMBH) 10 August 2000 (2000-08-10) page 1, paragraphs 1,3 page 3, paragraph 4 page 5, paragraph 2; claim 1 | 1-17 |
| X | DATABASE WPI Section Ch, Week 200064 Derwent Publications Ltd., London, GB; Class D21, AN 2000-663199 XP002266917 & RU 2 150 935 C (UNIV MOSC MED STOMATOLOGY) 20 June 2000 (2000-06-20) abstract | 1-17 |
| X | DATABASE WPI Section Ch, Week 200301 Derwent Publications Ltd., London, GB; Class B06, AN 2003-002680 XP002266918 "Antifungal medicinal preparation contains copper(I) oxide, elemental copper and optionally trace elements and ascorbic acid" & HU 200 004 976 A (VARGA A) 28 October 2002 (2002-10-28) abstract | 1-17 |
| | ----- -/-- | |

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/005559

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | <p>FORTIS A A ET AL: "Adherence of Staphylococcus aureus, Klebsiella pneumoniae and Candida albicans to human buccal epithelial cells, from healthy persons and HIV carriers, under the influence of Broncho Vaxom in vitro and ascorbic acid in vivo." APMIS: ACTA PATHOLOGICA, MICROBIOLOGICA, ET IMMUNOLOGICA SCANDINAVICA. DENMARK APR 1998, vol. 106, no. 4, April 1998 (1998-04), pages 441-448, XP009023968 ISSN: 0903-4641 abstract page 441, column 2 figure 2 page 445, column 1, last paragraph - page 445, column 2, paragraph FIRST page 446, column 2, last paragraph page 442, column 2, last paragraph - page 442, column 3, paragraph 2</p> | 1-17 |
| A | <p>EP 0 527 241 A (ARTESAN PHARMA GMBH) 17 February 1993 (1993-02-17) the whole document</p> | 5 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/005559

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|-------------------------------------------|---|---------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| JP 2000169370 | A | 20-06-2000 | NONE | |
| JP 01125306 | A | 17-05-1989 | NONE | |
| EP 1153605 | A | 14-11-2001 | US 6391330 B1 AU 4383801 A CA 2347301 A1 EP 1153605 A1 US 2002102219 A1 | 21-05-2002 15-11-2001 11-11-2001 14-11-2001 01-08-2002 |
| US 4229430 | A | 21-10-1980 | CA 1127970 A1 | 20-07-1982 |
| US 5631001 | A | 20-05-1997 | US 5425944 A | 20-06-1995 |
| DE 29900513 | U | 10-08-2000 | DE 29900513 U1 | 10-08-2000 |
| RU 2150935 | C | 20-06-2000 | RU 2150935 C1 | 20-06-2000 |
| HU 200004976 | A | | NONE | |
| EP 0527241 | A | 17-02-1993 | US 5371107 A EP 0527241 A1 AT 102829 T DE 59101214 D1 | 06-12-1994 17-02-1993 15-04-1994 21-04-1994 |

Best Available Copy